Congratulations on the purchase of the ICOM IC-PS90 AC power supply for the matching Transformers. This AC power supply utilizes a newly developed switching regulator system, resulting in light weight and high efficiency.

**SPECIFICATIONS**

- **Number of Semiconductors**: Transistor 5
- **IC**: 2
- **Diode**: 9
- **Input Voltage**: 117/240V AC (50/60Hz)
- **Allowable Voltage Fluctuation**: ±10% of input voltage (allowed line voltage)
- **Input Capacity**: 40W (at 25A load)
- **Output Voltage**: 13.8V
- **Max. Load Current**: 25A (10 minutes ON/10 minutes OFF 90% duty cycle)
- **Isolation**: Negative ground
- **Dimensions**: 110D x 241H x 303(D) mm
- **Weight**: Approximately 5.5 kg
- **Accessories Included**: Spare fuse (10A for 117V, 5A for 240V) 2, 2P Connector Housing 3, Connector's Pin 6

**BEFORE USE**

This power supply is designed to use with a 10W transceiver and two or three 10W-25W transmitters, which work at 13.8V DC. As this unit provides 25A maximum capacity at 13.8V DC, it is recommended that you do not use this unit with other than matching ICOM transmitters, even for experimental purposes.

This unit has a output cable with 6-pin connector capable 25A, for a fixed use transceiver such as the IC-380, IC-480, IC-7200, IC-720A, IC-737A/E, IC-471A/E, IC-641A/R, IC-451A/R etc., and three 3-pin output connectors capable 6A each for mobile use transceivers. However, don't exceed total consumption current than 25A at any moment.

**2-PIN CONNECTOR ASSEMBLY**

When you want to use a 2-pin output connector for a transceiver, attach a supplied connector to the end of the DC power cord leads about 8mm each.

**HOLD TO USE**

Connect the DC output plug (1) of this unit to the transceiver's power socket and also the DC power cords of the transceivers to the DC output sockets respectively, as shown in the following figure. At this time, make sure that:

1. The power switch on each transceiver is OFF.
2. The PTT switch on each transceiver is in the receive position.
3. The PTT switch on each microphone is not depressed.

Connect the AC power plug of the unit to an AC power outlet, turn the power switch on the front panel ON, and the color indicator and the meter will be illuminated and the meter will indicate the output voltage if the meter switch is in the V0 position.

**POLARITY OF INTERNAL TERMINALS**

2. Attach a supplied connector pin to each end of the DC power cord leads. Solder at the jointing point, then clamp the insulators of the pin.

3. Insert the pins into a supplied connector housing observing proper polarity so that the pins are fixed in the housing by the tabs of each pin.